

MATERIAL SAFETY DATA SHEET

Calcium Chloride

SECTION 1 . Product and Company Identification

Product Name and Synonym: Calcium Chloride

Product Code: 253-50

Material Uses:

Manufacturer:

OFI Testing Equipment, Inc.
11302 Steeplecrest Drive
Houston, TX 77065 USA
Phone: (713) 880-9885
Fax: (713) 880-9886

Entry Date :

5/11/2010

Print Date:

7/31/2010

24 Hour Emergency Assistance :

Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	2			
Flammability:	0			
Reactivity:	1			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA = Not Applicable		NE = Not Established		

SECTION 2 HAZARD IDENTIFICATION

Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Emergency Overview:Warning! Causes irritation to skin, eyes and respiratory tract. Harmful if swallowed or inhaled.

Inhalation:Granular material does not pose a significant inhalation hazard, but inhalation of dust may cause

irritation to the respiratory tract, with symptoms of coughing and shortness of breath.

Ingestion:Low toxicity material but ingestion may cause serious irritation of the mucous membrane due to

heat of hydrolysis. Large amounts can cause gastrointestinal upset, vomiting, abdominal pain.

Skin:Solid may cause mild irritation on dry skin; strong solutions or solid in contact with moist skin

may cause severe irritation, even burns.

Eye Contact:Hazard may be either mechanical abrasion or, more serious, burns from heat of hydrolysis and chloride irritation.

Chronic Exposure:No information found.

Aggravated by Exposure:No information found.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Calcium Chloride 4-8 Mesh	CAS# 10043-52-4	100%	W/W	TXDS: LD ₅₀ (rat): 1.4 g/Kg
<input type="checkbox"/>	Dodecyl Trimethyl ammonium Bromide	CAS#: 1119-94-4	<2%	W/V	
<input type="checkbox"/>	Tetradecyl Trimethyl Ammonium Bromide	CAS#: 1119-97-7	<0.7%	W/V	
<input type="checkbox"/>	Triton X-405M Biological Surfactant	CAS# 9002-93-1	<0.7%	V/V	None Established

Calcium Chloride

Water, Deionized ASTM Type II CAS# 7732-18-5 Balance V/V None Established

SECTION 4 FIRST AID MEASURES

Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Fire / Explosion Hazards: None Known.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Wear Protective equipment. Sweep up, place in a bag and hold for waste disposal.

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator

Ventilation

Local Exhaust

Mechanical

Protective Gloves: NIOSH Approved Gloves

Eye Protection: Glasses

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point: 732° C Percent Volatile by Volume: N/A

Boiling Point: > 1600C Evaporation Rate: N/A
(> 2912F)

Calcium Chloride

Vapor Pressure:	N/A	Evaporation Standard	
Vapor Density:	N/A	Auto Ignition Temp	Not applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	White powder/orderless	Upper Flamm. Limit in Air	Not applicable
Flash Point:	N/A		
Specific Gravity:	2.150		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability:	Stable
Conditions to Avoid:	Avoid contact with incompatible materials.
Materials to Avoid:	Water, metals, organic compounds, acids.
Hazardous Decomposition Products:	Hydrogen Chloride
Hazardous polymerization:	Will Not Occur
Conditions to Avoid:	None known

SECTION 11 Toxicological Information

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- None

SECTION 12 Ecological Information

Environmental Fate:Based on available information for Calcium Chloride anhydrous, this material will not biodegrade or bioaccumulate.
Environmental Toxicity:The LC50/96-hour values for fish are over 100 mg/l.

SECTION 13 Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 Transport Information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

Chemical Inventory Status –
Part 1:Ingredient
Calcium Chloride (10043-52-4)
TSCA Yes
EC Yes
Japan YES
Australia Yes

Chemical Inventory Status –
Part 2:Ingredient
Calcium Chloride (10043-52-4)
Korea Yes
DSL Yes
NDSL No

Calcium Chloride

Phil. Yes

Federal, State & International Regulations –

Part 1: Ingredient.

Calcium Chloride (10043-52-4)

RQ No

TPQ No

List NO

Chemical Catg No

Federal, State &
International Regulations –

Part 2:Ingredient

Calcium Chloride (10043-52-4)

CERCLA NO

261.33 No

8(d) No

Chemical Weapons Convention: No

TSCA 12 (b):No

CDTA:No PURE/SOLID

SARA 311/312: Acute:YES

Chronic: No

Fire: No

Pressure: No

Reactivity: No

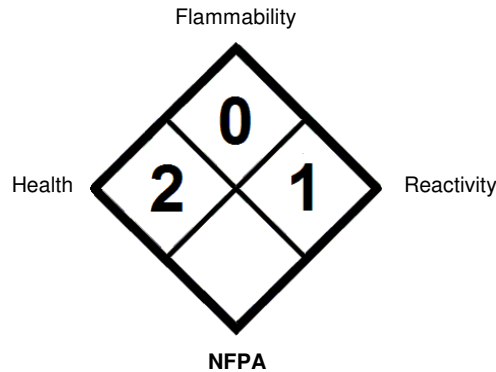
Australian Hazchem Code: NONE ALLOCATED

Poison Schedule:NONE ALLOCATED

SECTION 16

Additional Information

May be harmful by inhalation, ingestion or skin absorption. Causes eye, and skin irritation. Conditions aggravated/target organs: Persons with pre-existing eye, skin or respiratory conditions may be more susceptible.



Revisions

7/30/2010	0.1	updated msds to 16 section from 10 section msds. STN
	0	

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